

PATENT ABSTRACTS OF JAPAN

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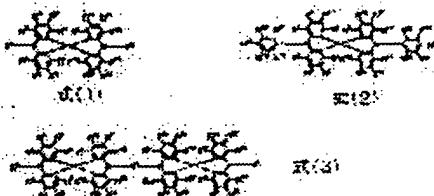
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(54) MATERIAL FOR ORGANIC ELECTROLUMINESCENCE DEVICE AND ORGANIC ELECTROLUMINESCENCE DEVICE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic electroluminescence(EL) device which has good luminescence color, high luminosity, luminescence efficiency, positive hole injection, positive hole transport and a long life time; a material satisfactory for the organic EL device.

SOLUTION: The material for the organic EL device is a spiro compound represented by formulae (1)–(3), wherein R1 to R42 and X1 to X4 are independently H, a halogen, a cyano group, a nitro group, an alkyl group, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, a siloxy group, a cycloalkyl group, an aryl group, an aromatic heterocyclic group, an amino group or a styryl group. R1 to R42 and X1 to X4 may couple with an adjacent C or substituent group to form a ring. Y1 is a direct bond, a bivalent alkylene group, an aliphatic ring residue, an arylene group, an aromatic heterocyclic residue, or a styryl residue, which may have O, S, N.



LEGAL STATUS

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